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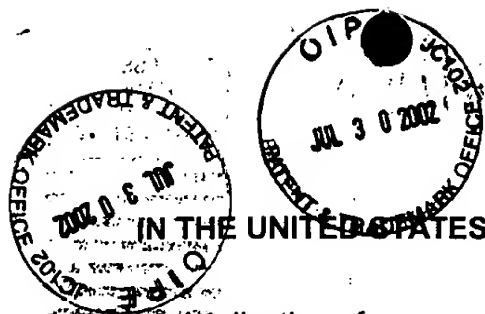
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#3

In Re the Application of:

M. Amit et al.

Filed: 05/04/2001

Serial No: 09/849,332

Title: MULTI-USER NETWORK SYSTEM AND METHOD OF DATA  
COMMUNICATION USING ENHANCED PREAMBLE

Docket Number: TI-30016

Examiner: Unknown

Art Unit: 2673

REQUEST FOR CORRECTED FILING RECEIPT

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*Joyce A. Douglas*

Joyce A. Douglas

7-22-2002

Date

Assistant Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Enclosed herewith is a copy of the Filing Receipt for the above-referenced application. The Title on the Filing Receipt is incorrect. Also enclosed are copies of the first page of the Specification and the Utility Patent Application Transmittal form showing the correct title.

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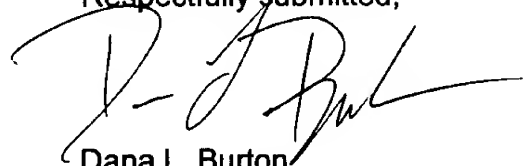
**MULTI-USER NETWORK SYSTEM AND METHOD OF DATA  
COMMUNICATION USING ENHANCED PREAMBLE**

Serial No. 09/849,332  
TI-30016

Applicants respectfully request a corrected Filing Receipt from the US Patent and Trademark Office.

Since this appears to an oversight on the part of the USPTO, no fees should be due; however, the U.S. Patent and Trademark Office is authorized to charge any fee deficiency or credit any overpayment to deposit account 20-0668 of Texas Instruments Incorporated.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'D. L. Burton', written over the typed name.

Dana L. Burton  
Attorney for Applicants  
Reg. No. 35,088

Texas Instruments Incorporated  
P.O. Box 655474  
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/849,332	05/04/2001	2673	710	TI-30016	1	13	3

 23494  
 TEXAS INSTRUMENTS INCORPORATED  
 P O BOX 655474, M/S 3999  
 DALLAS, TX 75265


CONFIRMATION NO. 9229

## FILING RECEIPT



\*OC000000006248154\*

Date Mailed: 07/02/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

 Matitiyahu Amit, Zur-Yigal, ISRAEL;  
 Liran Brecher, Jafa, ISRAEL;

## Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/217,048 07/10/2000

## Foreign Applications

If Required, Foreign Filing License Granted 06/29/2001

Projected Publication Date: 01/10/2002

Non-Publication Request: No

Early Publication Request: No

## Title

Multi-user network system and method of data communication using enhanced preamble

## Preliminary Class

178

enhanced

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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

Attorney Docket No.

TI-30016

First Inventor

Matityahu Amit

Multi-User Network System and Method of Data Communication  
Using Enhanced Preamble

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Express Mail Label No.

EL645454334US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application elements

## ADDRESS TO:

Assistant Commissioner for Patents  
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Washington, DC 202311. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.3. ☒ Specification [ Total Pages 10 ]  
(preferred arrangement set forth below)  
- Descriptive title of the invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the invention  
- Brief Summary of the invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure4. ☒ Drawing(s) (35 U.S.C. 113) [ Total Sheets 1 ]

5. Oath or Declaration [ Total Pages 1 ]

a. ☒ Newly Executed (original or copy)b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).6. ☐ Application Data Sheet. See 37 CFR 1.767. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on

i. ☐ CD-ROM or CD-R (2 copies); orii. ☐ paperc. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & documents(s))10. ☐ 37 CFR 3.73(b) Statement  
(when there is an assignee) ☒ Power of  
Attorney11. ☐ English Translation Document (if applicable)12. ☐ Information Disclosure  
Statement (IDS)/PTO-1449 ☐ Copies of IDS  
Citations13. ☒ Preliminary Amendment14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)16. ☐ Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.17. ☐ Other.18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:☐ Continuation☐ Divisional☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Prior application information:

Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a  
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Reg. No. 36,410

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Date

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**MULTI-USER NETWORK SYSTEM AND METHOD OF DATA  
COMMUNICATION USING ENHANCED PREAMBLE**

**Background of the Invention**

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**1. Field of the Invention**

This invention relates generally to data communication systems and methods, and more particularly to a system and method for communicating between subscribers over shared media and that provides collision avoidance, robust carrier sense, stable  
10 synchronization between stations, and data buffering and decoding in the background.

**2. Description of the Prior Art**

When using a data communication system based on bursts (packets), the generic format of a frame consists of a preamble at the beginning of each burst. Some  
15 communication protocols additionally include data and end-of-frame. The preamble is used to signify (recognize) the start of transmission. All nodes on a network traditionally use the same preamble and the same end-of-frame. Each node, therefore, is required to decode at least the beginning of the data to identify if this message is addressed to itself. Decoding efforts importantly require a real-time computational complexity. Further,  
20 traditional data communication processes are made even more complex and time consuming due to the necessity to utilize collision detection and resolve techniques.

In view of the foregoing, a need exists for a scheme to reduce the time associated with collision resolve to increase the effective data communication rate between subscribers using shared media.

25



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Bib Data Sheet

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CONFIRMATION NO. 9229

<b>SERIAL NUMBER</b> 09/849,332	<b>FILING DATE</b> 05/04/2001 <b>RULE</b>	<b>CLASS</b> 178	<b>GROUP ART UNIT</b> 2662	<b>ATTORNEY DOCKET NO.</b> TI-30016
<b>APPLICANTS</b> Matitiyahu Amit, Zur-Yigal, ISRAEL; Liran Brecher, Jafa, ISRAEL;				
<b>** CONTINUING DATA *****</b> THIS APPLN CLAIMS BENEFIT OF 60/217,048 07/10/2000				
<b>** FOREIGN APPLICATIONS *****</b>				
<b>IF REQUIRED, FOREIGN FILING LICENSE GRANTED</b> <b>** 06/29/2001</b>				
Foreign Priority claimed 35 USC 119 (a-d) conditions met Verified and Acknowledged	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance Examiner's Signature _____ Initials _____	<b>STATE OR COUNTRY</b> ISRAEL	<b>SHEETS DRAWING</b> 1	<b>TOTAL CLAIMS</b> 13
<b>INDEPENDENT CLAIMS</b> 3				
<b>ADDRESS</b> 23494				
<b>TITLE</b> Multi-user network system and method of data communication using enhanced preamble				
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